

WEEKLY CASE REPORT FOR EXTERNAL USE

MON APR 5 - SUN APR 11, 2021

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KEY TAKEAWAYS

- According to the [VDH Pandemic Metrics Dashboard](#), the Central Region is experiencing a high burden of cases and a substantial activity level, with a decreasing trend in cases. As of April 12, the daily **case incidence rate** in Richmond was 17.0 cases per 100,000, a decrease from last week's rate of 19.0. Looking at the average daily new case rate, cases in Richmond are increasing. Percent **positivity** for the locality is now 6.3% and also following an increasing trend. In Henrico, the daily case incidence rate is 18.9 cases per 100,000, a decrease from 20.7 last week, and following a fluctuating trend. Percent positivity for the locality is 6.8% and increasing.
- **Cases** in both districts are fluctuating but currently appear to be decreasing compared to last week based on the number of new cases per day. VEDSS data by date indicate cases in Richmond decreased from a 7-day average of 42 to 30 average daily new cases per 100,000 population, after a peak at the end of March. In Henrico, cases have also shown a slight decrease from 20.7 to 18.9 new cases per day, per 100,000. The 7-day moving average shows a plateau in cases in Richmond and a slight decrease in Henrico.
 - Regarding **subgroups**, in both Richmond and Henrico, females comprise a higher proportion of cases, both cumulatively and in the past month. 20-29 year olds continue to lead case counts in Richmond, both cumulatively and in the last 4 weeks. In Henrico, cases in the last 4 weeks are distributed fairly evenly across 20-29, 50-59, and 30-39 year olds, with 20-29 year olds holding a majority of cases. Cumulatively, the proportion of cases is still highest among 20-29 year olds. Regarding race and ethnicity, in Richmond, the highest proportion of cases is still among Black individuals, again both cumulatively and in the last 4 weeks. In Henrico, both cumulatively and in the last 4 weeks, the proportion of cases is highest among White individuals.
- Among the 11 hospitals that comprise the Richmond catchment area, **hospitalizations** are decreasing slightly. ICU hospitalizations and the use of ventilators are fluctuating with an overall decreasing trend. All 11 hospitals are operating at a normal clinical status. Additional data at the locality level is available on the [VHD Dashboard](#). *Hospitalizations by subgroup (sex, age, and race) are reported on a monthly basis.*
- Current trends in **COVID-19 deaths** are decreasing overall, though Richmond saw a slight uptick in early March. Please note that trends in death data are frequently impacted by a lag in reporting. Additional death data is available on the [VHD Dashboard](#). *Deaths by subgroup (sex, age, and race) are reported on a monthly basis.*
- Richmond and Henrico Health Districts are currently in Phase 2 of **vaccination**. Everyone 16 and older is eligible to receive the vaccine. As of April 12, 2021, 37.5% of the region's population has received at least one dose of the vaccine. Around 21.9% of the region's population has been fully vaccinated. Approximately 36.1% of Richmond and Henrico's combined population has received at least one dose; and 21.7% of the two districts combined population has been fully vaccinated. The majority of vaccine recipients in both districts have been female. The highest counts of vaccine recipients have been among 60-69 year olds in both districts. Available data indicate that eligible White individuals have received the majority of the vaccine, but a large percentage of the recipients' race/ethnicity is still unreported (38% in Richmond and 35% in Henrico).

1.0 COVID-19 SNAP SHOT

1.1 CONFIRMED CASES, HOSPITALIZATIONS, FATALITIES, AND PROBABLE CASES BY COUNTY

CASE STATUS	RICHMOND CITY	HENRICO COUNTY	VIRGINIA
New cases this week (April 12)	272	435	10691
All cases	16231	23978	636862
Confirmed cases	13370	17621	496623
Hospitalizations	739	953	25804
Deaths	219	516	8794
Probable cases	2861	6357	140239
Hospitalizations	18	40	1425
Deaths	36	71	1692
Case rate per 100,000	7043.6	7248.1	7461.3

Weekly cases added are estimated as the difference between the cases recorded from the current and prior week

*Case Rate per 100,000=(confirmed+probable)/population count *100,000.*

Population estimates for the case rate are the most recent as of July 1, 2019 from the [U.S Census Bureau QuickFacts](#)

1.2 CURRENT COVID-19 HOSPITALIZATIONS IN THE RICHMOND CATCHMENT AREA ON APRIL 12, 2021

The data included in this section comes from VHASS and it includes data from the following hospitals: VCU Health System, Retreat Doctors', Bon Secours Community, CWJ Chippenham, CWJ Johnson Willis, VA Medical Center, Bon Secours St. Mary's, Henrico Doctors, and Parham Doctors, Bon Secours St. Francis, and Memorial Regional Medical Center.

	TOTAL IN USE FOR COVID-19	CURRENTLY AVAILABLE
Confirmed Hospitalizations	176	191
Pending Hospitalizations	27	
Confirmed - ICU	44	45
Pending - ICU	*	
Confirmed - Ventilators	31	463
Pending - Ventilators	*	

*Counts <5 have been suppressed

Within these 11 hospitals that comprise the Richmond catchment area, there are currently available adult ICU beds, and 460 available ventilators. Based on the VHASS hospital dashboard on April 12, 2021, all 11 hospitals are operating at normal clinical status.**

**A clinical status of "normal" indicates that hospital clinical resources are operating within normal conditions. A clinical status of "full" indicates that hospital clinical resources are exceeded and acceptable care cannot be provided to additional patients. Diversion or Community surge response is required.

2.0 COVID-19 TESTING ENCOUNTERS AND POSITIVITY

2.1 TESTING SUMMARY

Total tests by testing modality and the associated 7-day average in percent positivity are summarized in the table below. Data are from from the [VDH public dashboard](#) on April 12, 2021.

	RICHMOND CITY		HENRICO COUNTY	
	Tests	Positivity	Tests	Positivity
PCR*	234,452	6.3%	338,820	6.8%
Antigen	39,919	4.7%	86,059	8.4%
Total (PCR, antigen, and antibody)	278,687	5.9%	433,764	7.5%

*All testing metrics included in previous reports have been based on PCR tests

3.0 COVID-19 CASES

3.1 SUMMARY OF CASES

Cases

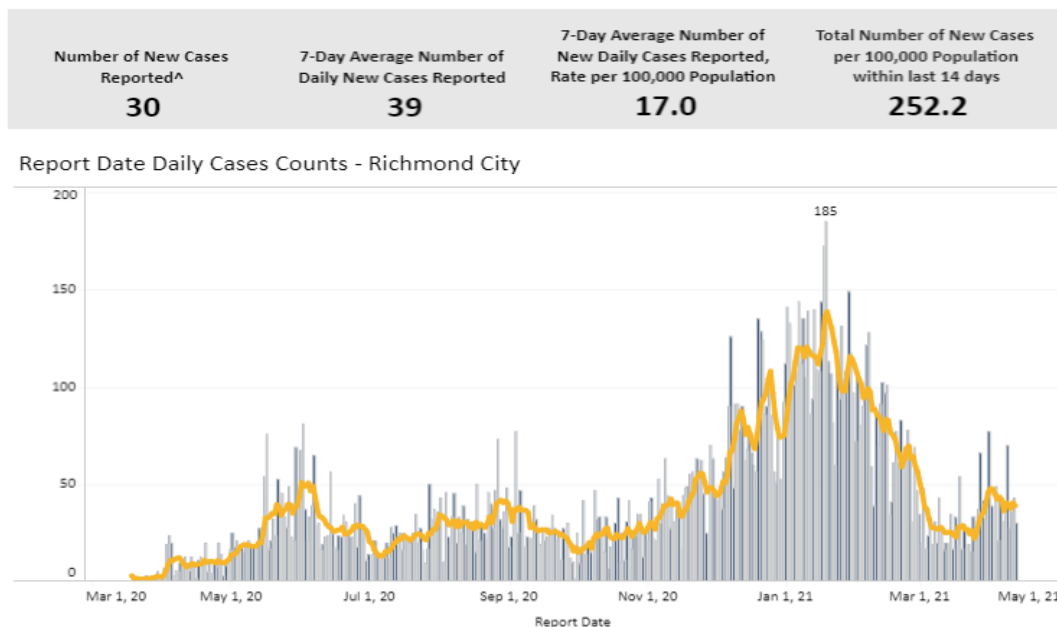
Cases in both districts are fluctuating but currently appear to be decreasing compared to last week based on the number of new cases per day. VEDSS data by date indicate cases in Richmond decreased from a 7-day average of 42 to 30 average daily new cases per 100,000 population, after a peak at the end of March. In Henrico, cases have also shown a slight decrease from 20.7 to 18.9 new cases per day, per 100,000. The 7-day moving average shows a plateau in cases in Richmond and a slight decrease in Henrico.

Case Demographics

In both Richmond and Henrico, females comprise a higher proportion of cases, both cumulatively and in the past month. Regarding the proportion of cases by age group, 20-29 year olds continue to lead case counts in Richmond, both cumulatively and in the last 4 weeks. In Henrico, cases in the last 4 weeks are distributed fairly evenly across 20-29, 50-59, and 30-39 year olds, with 20-29 year olds holding a majority of cases. Cumulatively, the proportion of cases is still highest among 20-29 year olds. Regarding race and ethnicity, in Richmond, the highest proportion of cases is still among Black individuals, again both cumulatively and in the last 4 weeks. In Henrico, both cumulatively and in the last 4 weeks, the proportion of cases is highest among White individuals.

3.2 CASE REPORTS TRENDS BY DATE (SOURCE-VDH WEBSITE)

The report date corresponds to the date the case count was reported publicly. The report date does not have any equivalent variable in VEDSS, and cannot be directly linked to case-specific dates (e.g., event dates or lab report dates). Case counts by report date are estimated by subtracting the cumulative cases on the previous day from that of the current day. The 7-day moving average is a recurrent average of the number of cases for each 7-day data sequence.

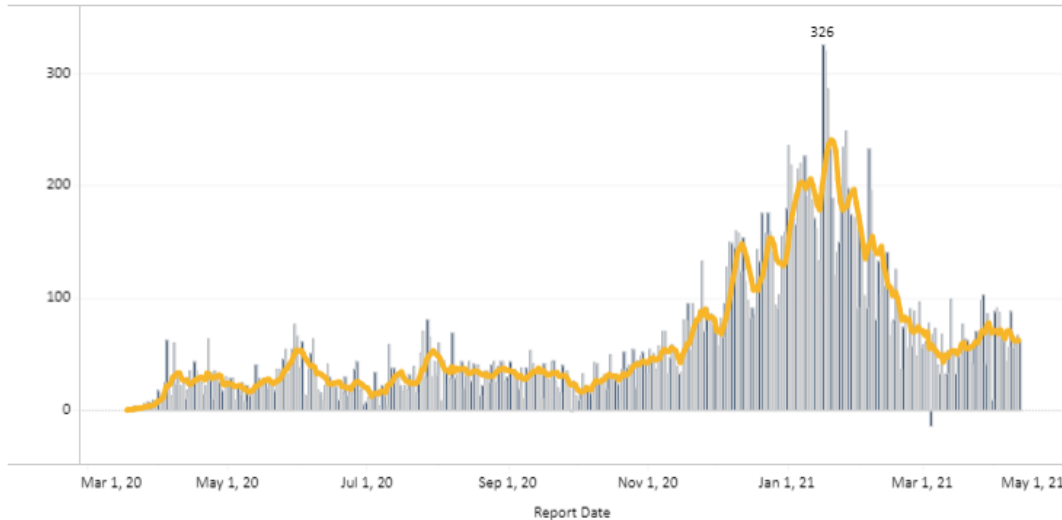


- In Richmond, the 7-day average number of daily new cases reported this week appears to be increasing slightly. A total of 30 new cases were reported on April 12, 2021, as compared to the 42

new cases reported this time last week. The 7-day average has decreased from 19.0 to 17.0 new daily cases per 100,000 population.

Number of New Cases Reported [^]	7-Day Average Number of Daily New Cases Reported	7-Day Average Number of New Daily Cases Reported, Rate per 100,000 Population	Total Number of New Cases per 100,000 Population within last 14 days
61	62	18.9	276.7

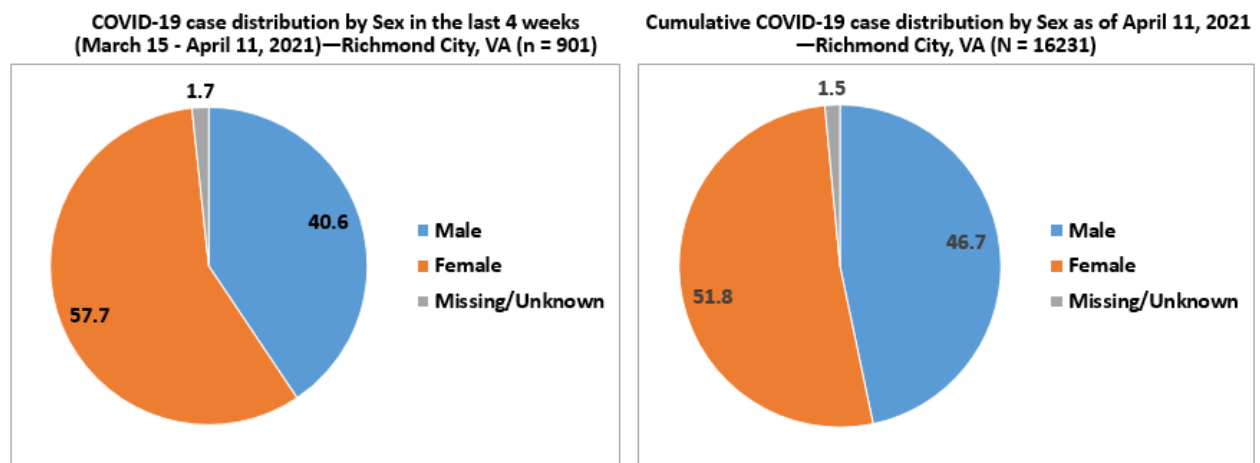
Report Date Daily Cases Counts - Henrico



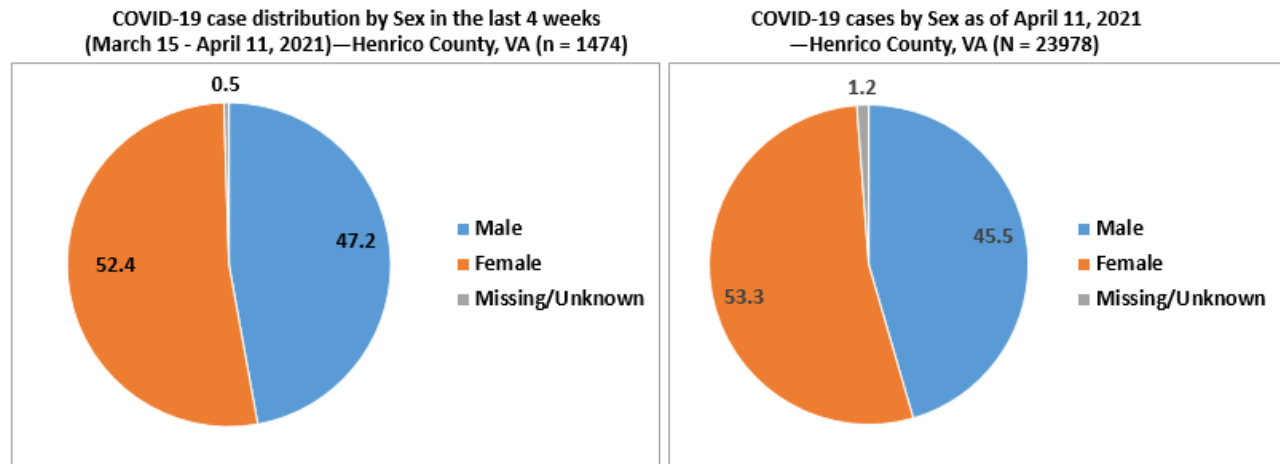
- In Henrico, new cases reported per day also appear to be increasing. A total of 61 new cases were reported on April 12, 2021, the same number as was reported on April 5, 2021. The 7-day average has dropped slightly from 20.7 to 18.9 new daily cases per 100,000 population.

3.3 CASES BY SEX BY COUNTY

All percentages are based on overall case distribution, rather than the proportion of known cases for each measure, and therefore may not correspond directly with VDH percentages.



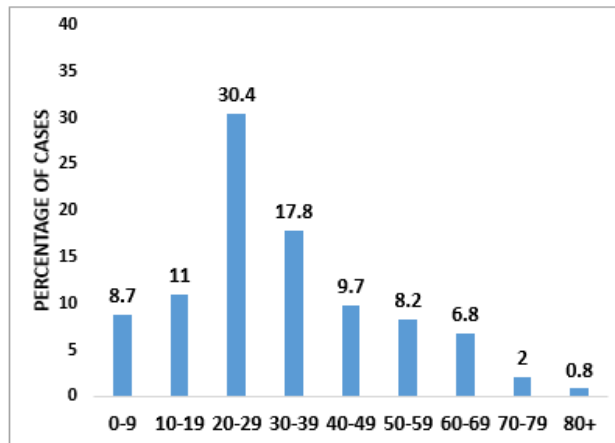
- In Richmond, females comprise a higher proportion of cases relative to males, both in the last 4 weeks (57.7% vs 46.6%) and cumulatively (51.8% vs 46.7%).



- In Henrico, females comprise a higher proportion of cases relative to males both in the last 4 weeks (52.4% vs 47.2%) as well as cumulatively (53.3% vs 45.5%).

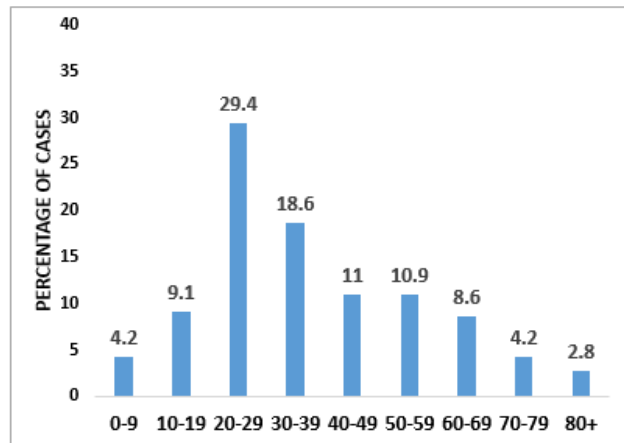
3.4 CASES BY AGE GROUP BY COUNTY

**COVID-19 case distribution by Age group in the last 4 weeks
(March 15 - April 11, 2021)—Richmond City, VA (n = 858)**



Age is missing for 4.8% (n=43) cases

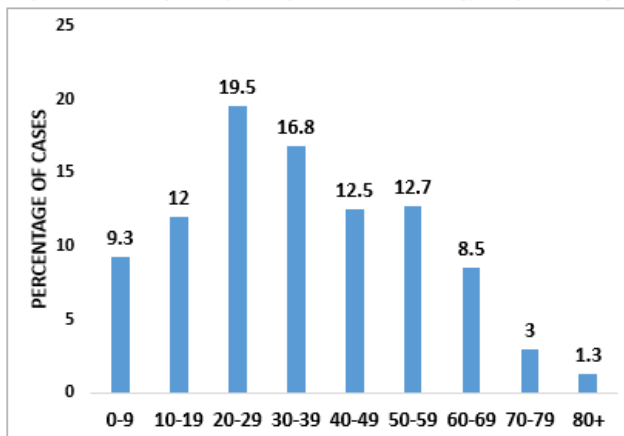
**Cumulative COVID-19 case distribution by Age group as of
April 11, 2021 —Richmond City, VA (N = 16049)**



Age is missing for 1.1% (n=182) cases

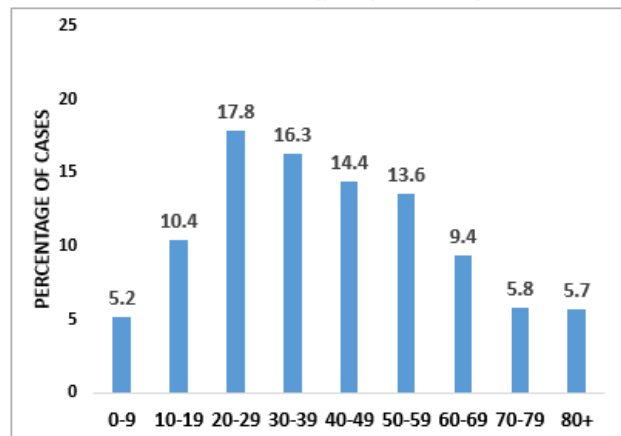
- In Richmond City, individuals aged 20-29 still comprise the highest number of cases in the last four weeks (30.4%) , followed by individuals aged 30-39 years (17.8%). Cumulatively, 20-29 year olds comprise a noticeable majority of cases.

**COVID-19 case distribution by Age group in the last 4 weeks
(March 15 - April 11, 2021)—Henrico County, VA (n = 1407)**



Age is missing for 4.5% (n=67) cases

**COVID-19 cases by Age group as of April 11, 2021
—Henrico County, VA (N = 23648)**

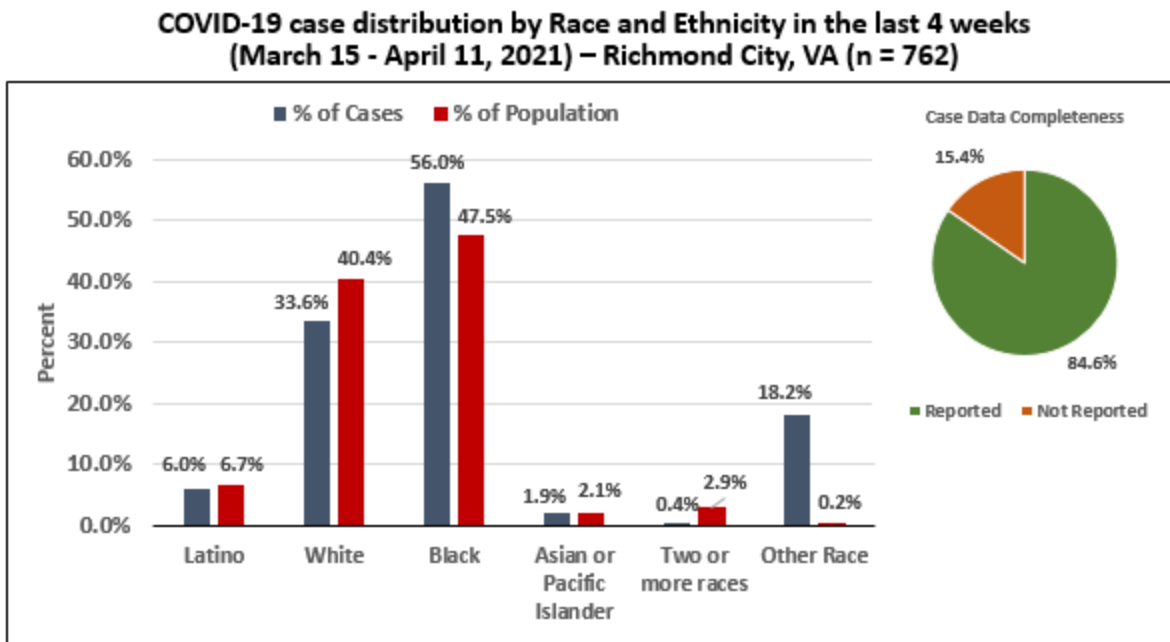


Age is missing for 1.4% (n=339) cases

- In Henrico, individuals aged 20-29 comprise the highest percentage of cases (19.5%) followed by individuals aged 30-39 (16.8%), over the last four weeks. Cumulatively, individuals aged 20-29 comprise the highest percentage of cases (17.8%) and individuals aged 30-39 comprise the second highest percentage of cases (16.3%).

3.5 CASES AND POPULATION PROPORTIONS BY RACE AND ETHNICITY BY COUNTY

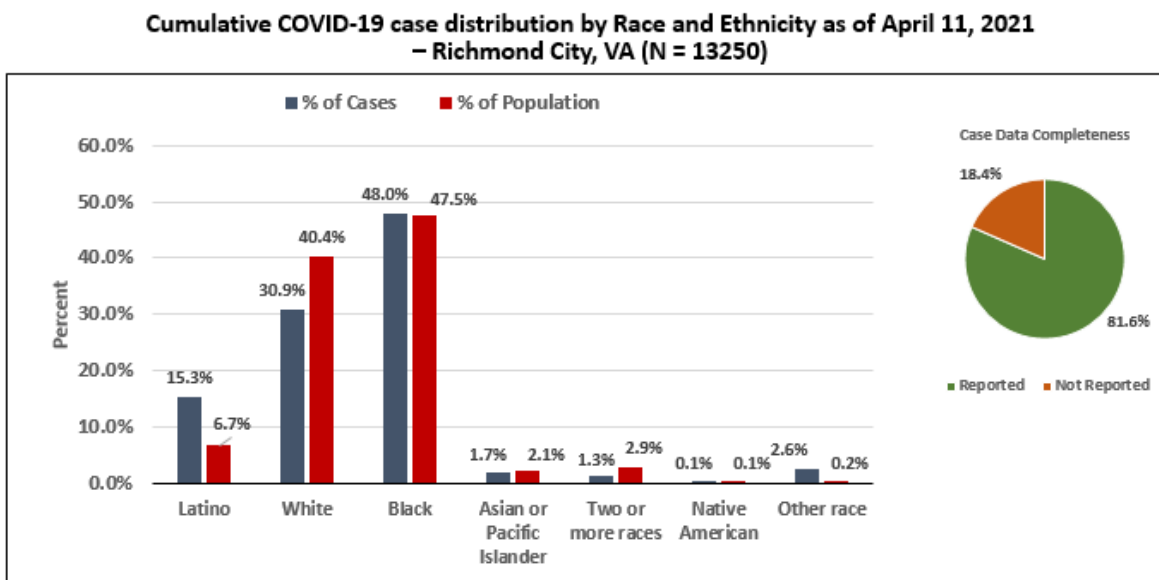
Population estimates for the Race and Ethnicity subgroup analyses are from the [2018 ACS 5-year estimates](#).



*For race/ethnicity identification among cases, "Not Reported" comprises 15.4% (n=139).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

*Cases among Native Americans are suppressed (counts < 5)

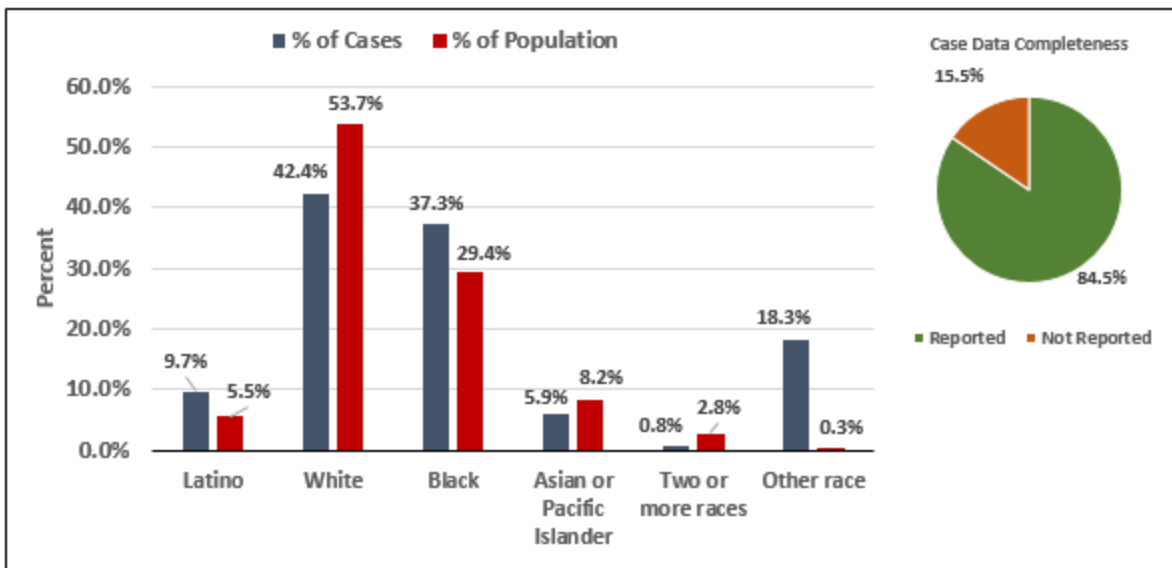


*For race/ethnicity identification among cases, "Not Reported" comprises 18.4% (n=2981).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

- In Richmond, the case burden for Black individuals over the last 4 weeks (56.0%) is disproportionately high relative to their population percentage (47.5%), while the case burden for White individuals is disproportionately low, both in the last four weeks (33.6%) and cumulatively (30.9%) relative to their population percentage (40.4%). While the cumulative case burden for Latino individuals (15.3%) is disproportionately high compared to their population percentage (6.7%), the case burden over the last four weeks for Latino individuals (6.0%) has been lower than the population percentage.

**COVID-19 case distribution by Race and Ethnicity in the last 4 weeks
(March 15 - April 11, 2021) – Henrico County, VA (n = 1246)**

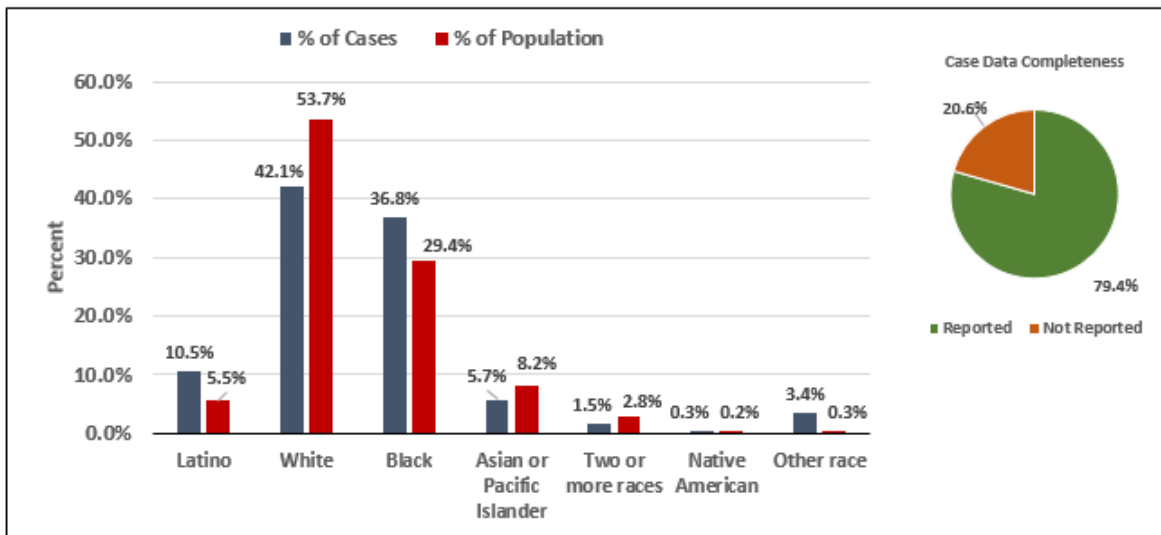


*For race/ethnicity identification among cases, "Not Reported" comprises 15.5% (n=228).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

*Cases among Native Americans are suppressed (counts < 5)

**Cumulative COVID-19 case distribution by Race and Ethnicity as of April 11, 2021
– Henrico County, VA (N = 19045)**



*For race/ethnicity identification among cases, "Not Reported" comprises 20.6% (n=4933).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

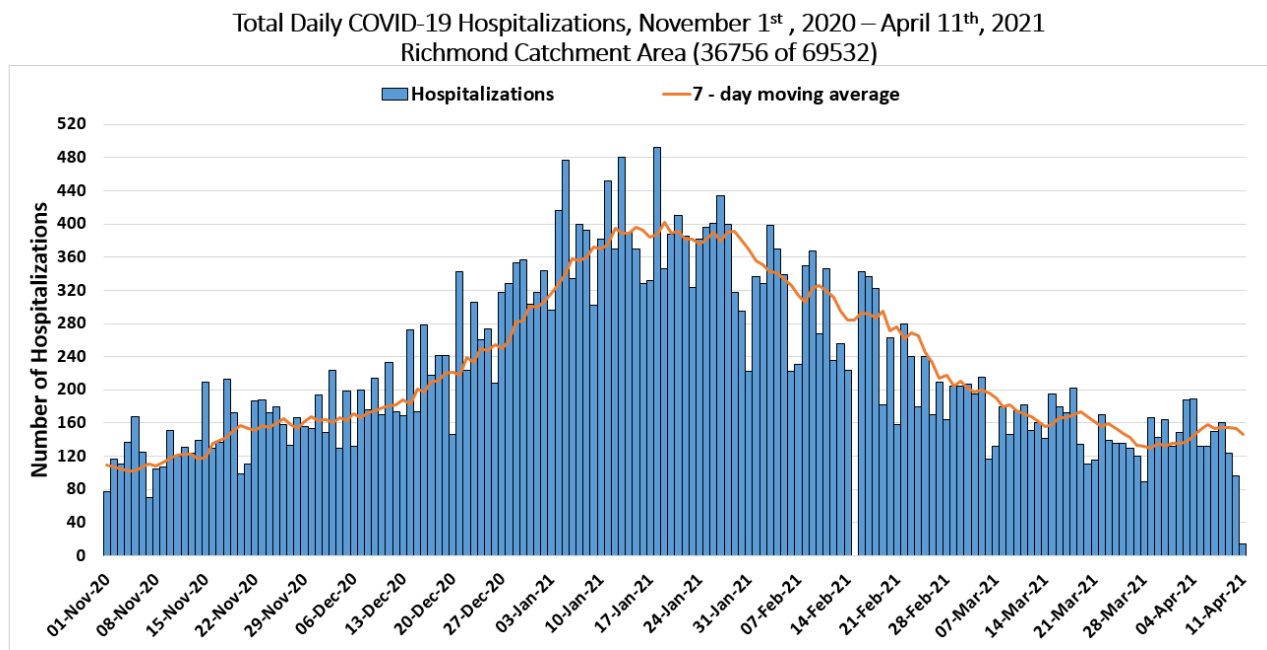
- In Henrico, the case burden for Black individuals over the last 4 weeks (37.3%) and cumulatively (36.8%) is disproportionately high relative to their population percentage (29.4%). The case burden for White individuals has been disproportionately low over the last four weeks (42.4%) and cumulatively (42.1%) relative to their population percentage (53.7%). Both the cumulative case burden for Latino individuals (10.5%) and the case burden over the past four weeks (9.7%) have been disproportionately high as compared to their population percentage (5.5%).

4.0 COVID-19 HOSPITALIZATIONS

4.1 SUMMARY OF HOSPITALIZATIONS

Based on VEDSS data, hospitalizations among Richmond and Henrico patients are decreasing (see [VDH Dashboard](#) for additional trend data). Looking more broadly at the 11 hospitals that comprise the Richmond catchment area, hospitalizations are decreasing slightly. ICU hospitalizations, and the use of ventilators are fluctuating with an overall decreasing trend. All 11 hospitals are operating at a normal clinical status. *Hospitalizations by subgroup (sex, age, and race) are reported on a monthly basis.*

4.2 HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF APRIL 11, 2021



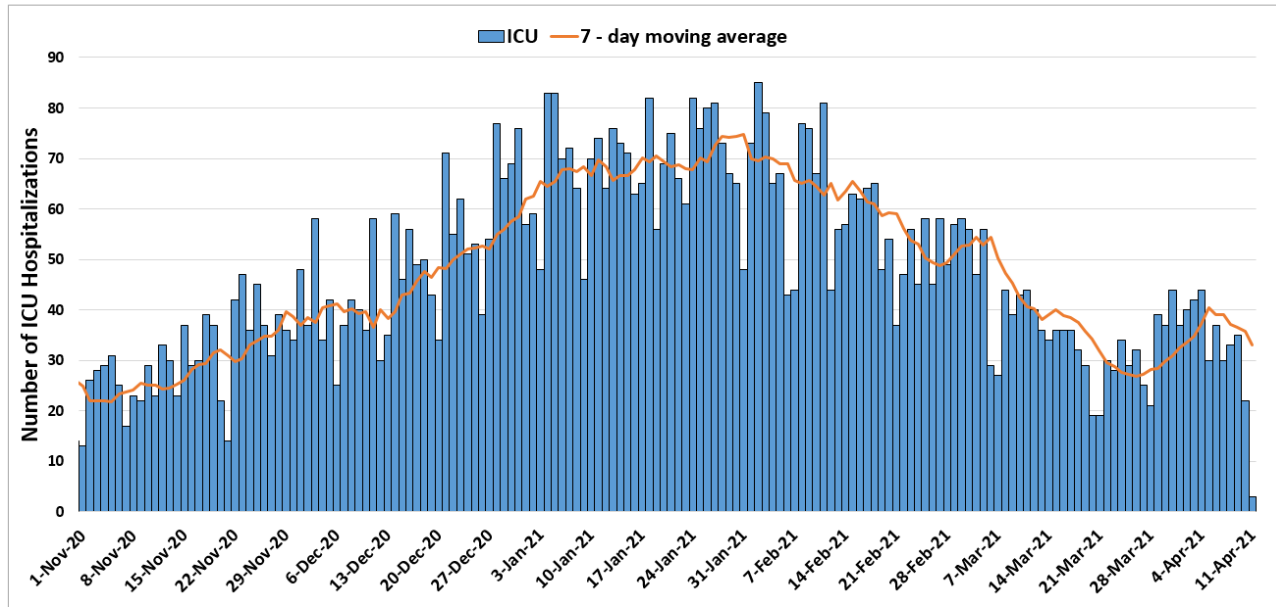
* Data points from March until October 31th are excluded to allow for clarity in trends/patterns

* Data points from February 15th, 2021 were omitted due to issues with data quality

- Data from the 11 hospitals included in this analysis has shown an overall downward trend since a peak in January. This downward trend has been consistent, despite minor fluctuations throughout March and early April.
- *Note: Data from February 15th, 2021 showed an erroneously high value and was subsequently omitted from the analysis. Steps are being taken to restore the quality of this data.*

4.3 ICU HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF APRIL 11, 2021

Total Daily COVID-19 ICU Hospitalizations, November 1st, 2020 – April 11th, 2021
Richmond Catchment Area (7712 of 16549)

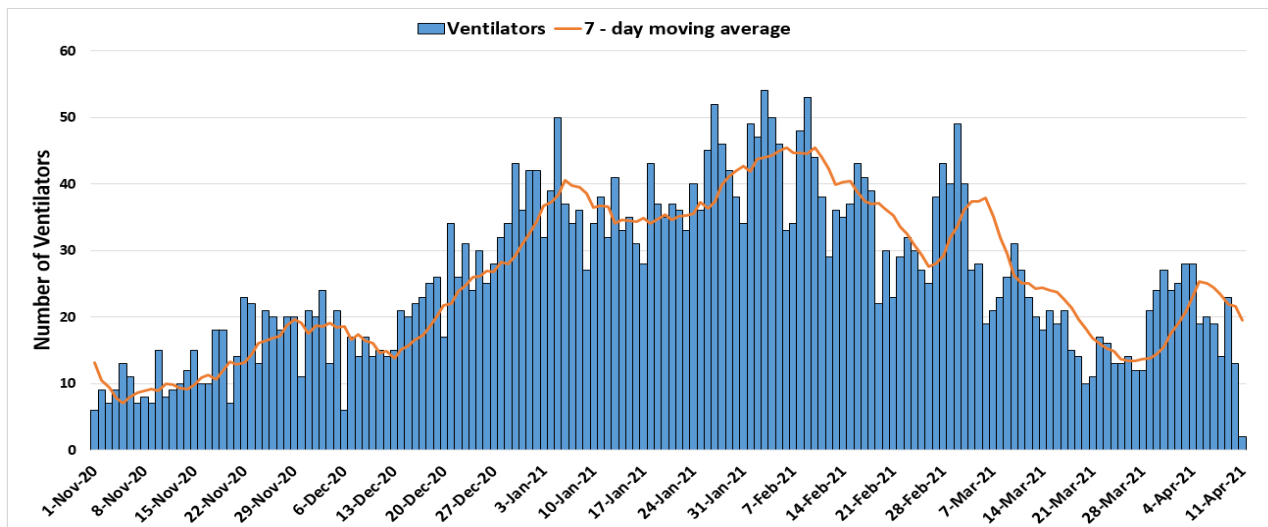


* Data points from March until October 31th 2020 are excluded to allow for clarity in trends/patterns

- Following a recent peak and mild fluctuations during the month of January through late February, ICU hospitalizations have generally been decreasing throughout the month of March.

4.4 VENTILATOR UTILIZATIONS (PATIENTS ON VENTILATORS) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF APRIL 11, 2021

Total Daily COVID-19 Ventilator Utilizations, November 1st, 2020 – April 11th, 2021
Richmond Catchment Area (4081 of 8107)



* Data points from March until October 31th are excluded to allow for clarity in trends/patterns

- Ventilator utilization showed major fluctuations throughout the months of January and February, despite a recent uptick during the last week in March, ventilator utilizations generally appeared to be following a downward trend during the first two weeks of April.

5.0 COVID-19 FATALITIES

5.1 SUMMARY OF FATALITIES

Current trends in COVID-19 deaths are decreasing overall, though Richmond saw a slight uptick in early March. Please note that trends in death data are frequently impacted by a lag in reporting. Additional death data is available on the [VHD Dashboard](#). *Deaths by subgroup (sex, age, and race) are reported on a monthly basis.*

6.0 VACCINATION

6.1 VACCINE SUMMARY

Richmond and Henrico Health Districts are in Phase 2 of vaccination. Anyone 16 or older is now eligible to receive the vaccine. Vaccine supply and distribution are summarized in the tables below.

As of April 12, 2021, 37.5% of the region's population has received at least one dose of the vaccine. Around 21.9% of the region's population has been fully vaccinated. Approximately 36.1% of Richmond and Henrico's combined population has received at least one dose; and 21.7% of the two districts combined population has been fully vaccinated.

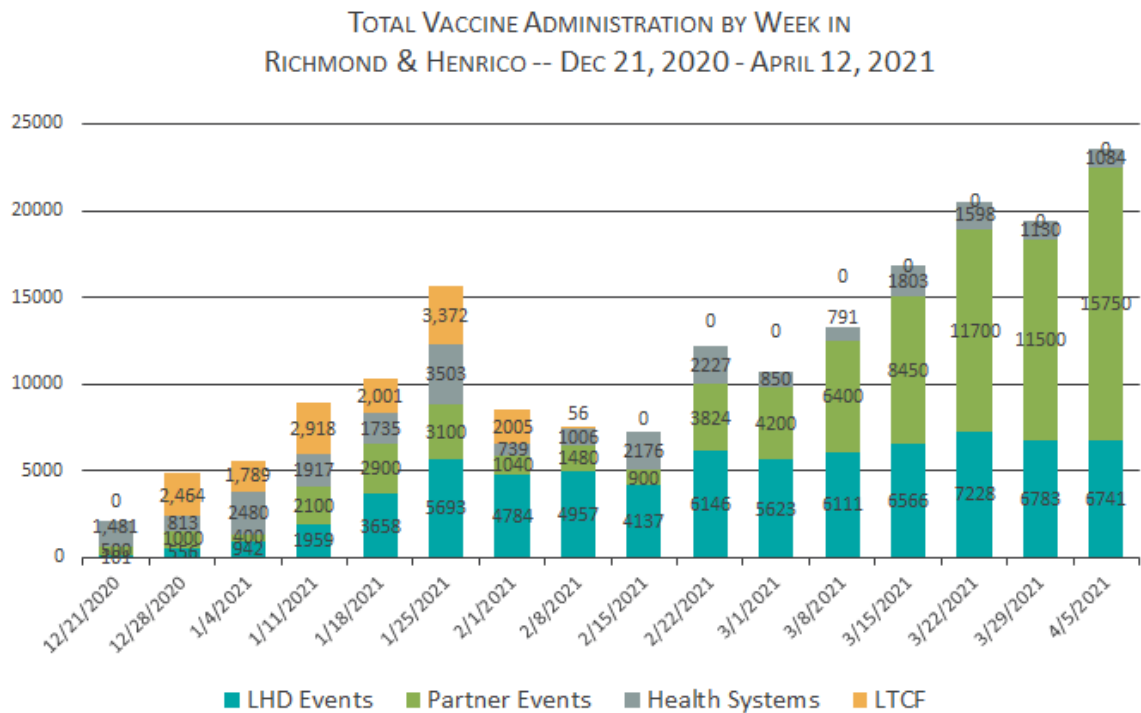
The majority of vaccine recipients in both districts have been female. The highest counts of vaccine recipients have been among 60-69 year olds in both districts. Available data indicate that eligible White individuals have received the majority of the vaccine, but a large percentage of the recipients' race/ethnicity is still unreported (38% in Richmond and 35% in Henrico).

6.2 VACCINATIONS BY LOCALITY AS OF APRIL 12, 2021 - SOURCE: [VDH.VIRGINIA.GOV](https://www.vdh.virginia.gov)

HEALTH DISTRICT	LOCALITY	POPULATION	FIRST DOSES ADMINISTERED	SECOND DOSES ADMINISTERED
Chesterfield	Chesterfield	352,802	134,977	73,214
	Colonial Heights	17,428	5,777	3,281
	Powhatan	28,815	10,445	6,537
Chickahominy	Charles City	6,963	2,764	2,093
	Goochland	23,753	11,273	7,339
	Hanover	107,766	44,769	26,474
	New Kent	23,091	8,428	5,445
Henrico	Henrico	330,818	128,400	77,030
Richmond	Richmond City	226,622	72,823	43,857
Total		1,118,058	419,656	245,270

We have set a goal of vaccinating 75% of the population to reach herd immunity. First and second doses of the Pfizer vaccine must be administered at least 21 days apart. First and second doses of the Moderna vaccine must be administered at least 28 days apart. People who received the Johnson & Johnson vaccine, which is a single dose, are included in the count of first doses administered.

6.3 WEEKLY TOTALS BY VACCINATION PATHWAY FOR RICHMOND AND HENRICO - SOURCE: INTERNAL TRACKING, VIIS

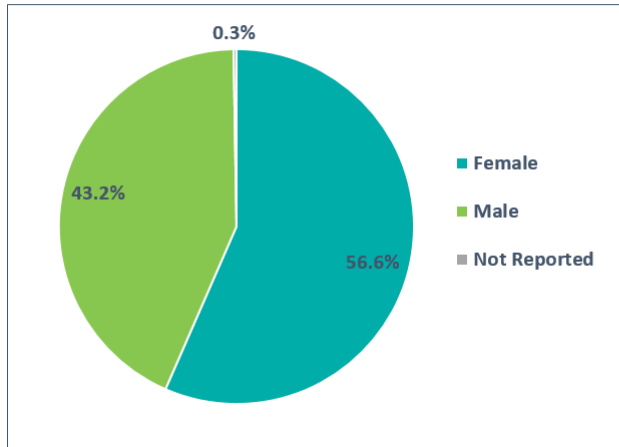


*Changes in past weeks' values reflect resolution of data quality issues.

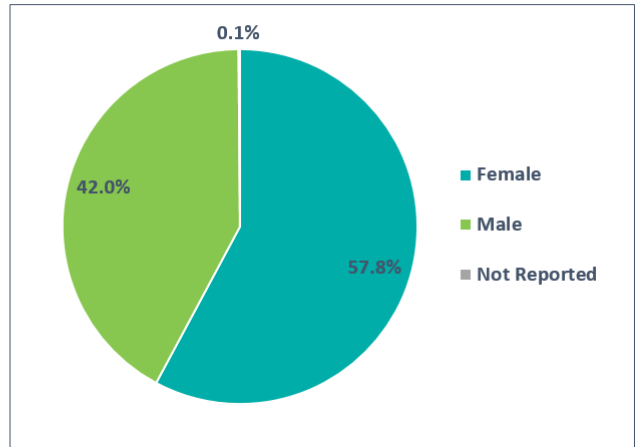
Health system totals reflect Richmond and Henrico residents who were vaccinated at one of the hospitals in the Richmond hospital catchment area - VCU Health System, Retreat Doctors', Bon Secours Community, CWJ Chippenham, CWJ Johnson Willis, Bon Secours St. Mary's, Henrico Doctors, and Parham Doctors, Bon Secours St. Francis, and Memorial Regional Medical Center. VA Medical Center is included in the COVID-19 hospitalization section of this report but vaccination data for this hospital is not yet available in VIIS.

6.4 VACCINE DISTRIBUTION BY DEMOGRAPHIC SUBGROUP - SOURCE: VIIS

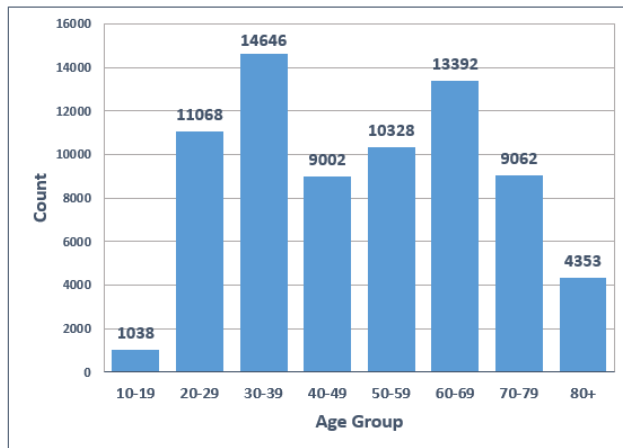
Total Vaccine Recipients by Sex in Richmond
-- April 12, 2021 (N = 72889)



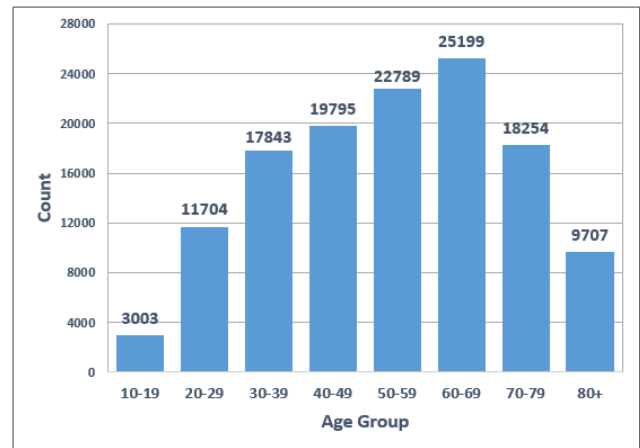
Total Vaccine Recipients by Sex in Henrico
-- April 12, 2021 (N = 128294)



Total Vaccine Recipients by Age Group in Richmond
-- April 12, 2021 (N = 72889)

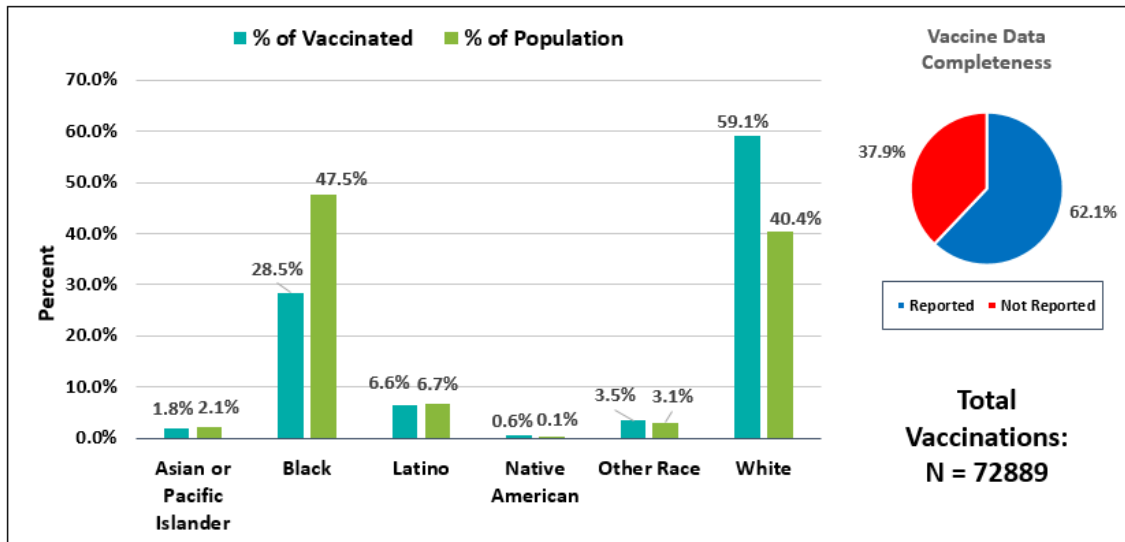


Total Vaccine Recipients by Age Group in Henrico
-- April 12, 2021 (N = 128294)



The following charts compare the percentage breakdown of racial or ethnic identification of vaccinated individuals to the expected percentage breakdown of the racial or ethnic identification of the population. A notable discrepancy can be seen when looking at Black individuals, who comprise 47.5% of the Richmond population and 29.4% of the Henrico population yet only 28.5% of vaccine recipients in Richmond and 19.7% of vaccine recipients in Henrico.

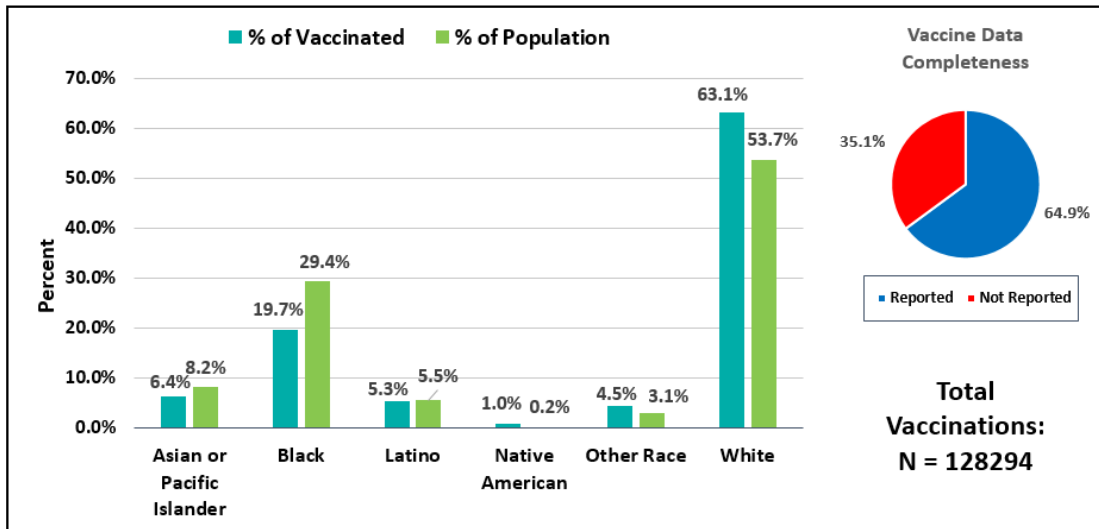
Vaccine Recipients vs. Population by Race/Ethnicity Percentages in Richmond – Dec 15, 2020 to Apr 12, 2021



*For race/ethnicity of vaccine recipients, "Not Reported" comprises 37.9% (n=27637).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

Vaccine Recipients vs. Population by Race/Ethnicity Percentages in Henrico – Dec 15, 2020 to Apr 12, 2021

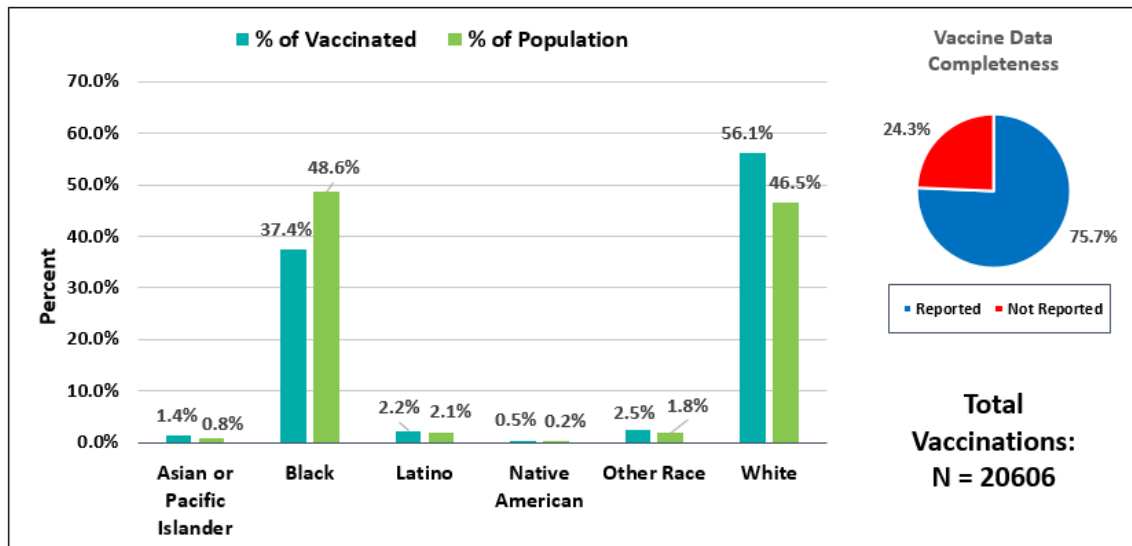


*For race/ethnicity of vaccine recipients, "Not Reported" comprises 35.1% (n=45068).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

The figures below compare the percentage breakdown by race and ethnicity specifically for individuals 65 and over. In Richmond City, Black individuals comprise 48.6% of the population of those aged 65 years and older, yet make up only 36.1% of vaccine recipients. This discrepancy can also be noted in Henrico, where Black individuals make up 25.6% of the population, yet thus far have only comprised 19.0% of vaccine recipients.

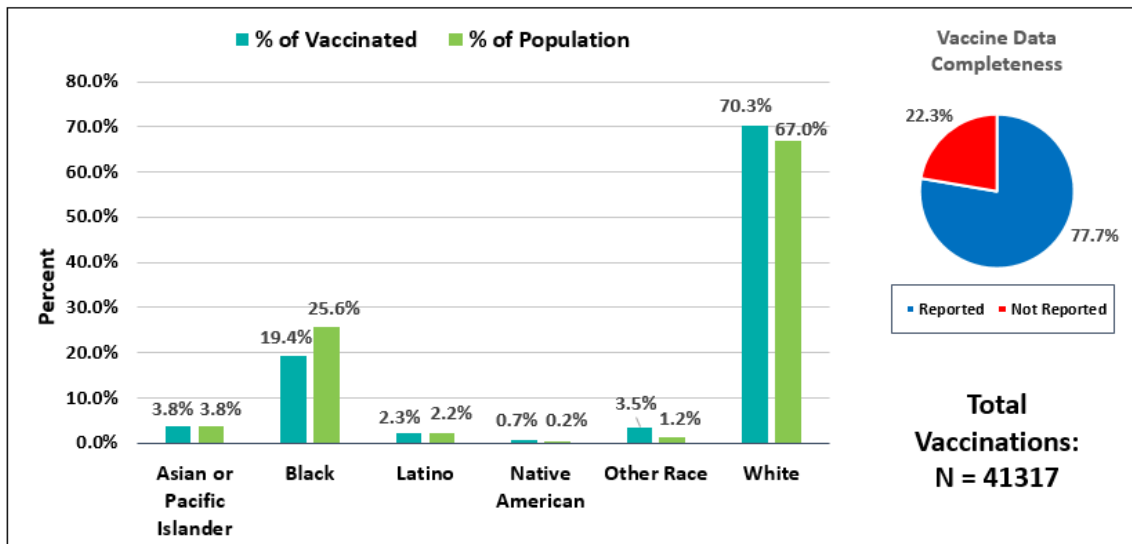
Vaccine Recipients vs. Population 65 and Over by Race/Ethnicity Percentages in Richmond – Dec 15, 2020 to Apr 12, 2021



*For race/ethnicity of vaccine recipients, "Not Reported" comprises 24.3% (n=5268).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

Vaccine Recipients vs. Population 65 and Over by Race/Ethnicity Percentages in Henrico – Dec 15, 2020 to Apr 12, 2021



*For race/ethnicity of vaccine recipients, "Not Reported" comprises 22.3% (n=9766).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

7.0 APPENDIX

7.1 CENSUS POPULATION ESTIMATES BY AGE AND RACE--RICHMOND CITY AND HENRICO COUNTY

Richmond City Population Estimates by Age and Race, as of July 1, 2018 (N=228,783)					Henrico County Population Estimates by Age and Race, as of July 1, 2018 (N=329,261)				
Age group (Years)	LATINO	NH WHITE	NH BLACK	NH OTHER	Age group (Years)	LATINO	NH WHITE	NH BLACK	NH OTHER
0-9	3807	6375	13310	1232	0-9	3764	17467	11946	6531
10-19	2282	6587	13047	1554	10-19	3464	18739	13872	5470
20-29	3417	21968	18657	3146	20-29	2870	19249	15019	5142
30-39	2817	19613	14235	1897	30-39	3360	22298	13542	7601
40-49	1901	10191	10525	831	40-49	2608	22194	12532	5766
50-59	1129	10805	14747	690	50-59	1696	25701	13509	3338
60-69	525	10589	13292	574	60-69	819	23639	10596	2368
70-79	218	5457	5866	271	70-79	391	14553	5349	1147
80+	79	3599	3369	181	80+	174	9618	2487	442